

# United States Patent [19]

Fukushima et al.

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## [54] DISPLAY UNIT

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358/146

[58] Field of Search ..... 358/142, 909, 147, 146,  
358/242, 181, 183

## [56] References Cited

### U.S. PATENT DOCUMENTS

3,749,831	7/1973	Simpkins	358/147
4,148,074	4/1979	Stakhov	358/242
4,288,809	9/1981	Yabe	358/147
4,388,639	6/1983	Cox et al.	358/147
4,388,645	6/1983	Cox et al.	358/142

## FOREIGN PATENT DOCUMENTS

8203290 9/1986 United Kingdom ..... 358/147

## OTHER PUBLICATIONS

The TIFAX XM11 Teletext Decoder; by Bryan Norris & Garry Garrard, pp. 1-19.

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## [57] ABSTRACT

A display unit capable of simultaneously displaying motion pictures, still pictures and character data received in a multiplexed form on a single input terminal. A decoder distributes the motion picture data directly to a motion picture data memory without modification, while a processing device receives the still picture and character data from the decoder and processes it before applying it to a still picture and character data memory. The outputs of the two memories are ORed together, then applied to drive a cathode-ray tube.

1 Claim, 2 Drawing Figures

